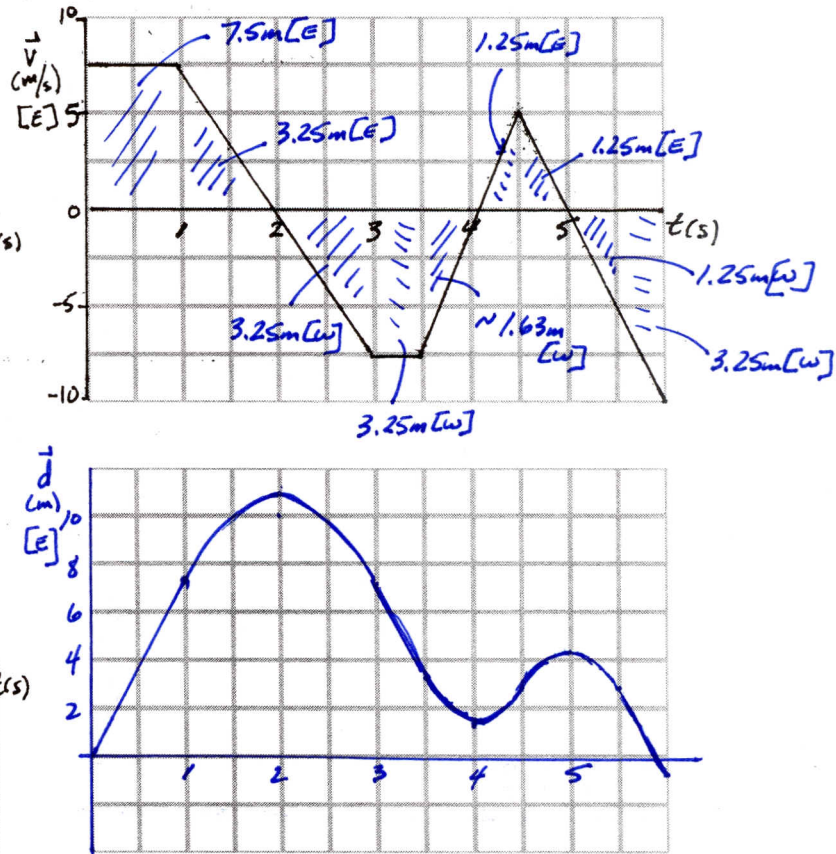
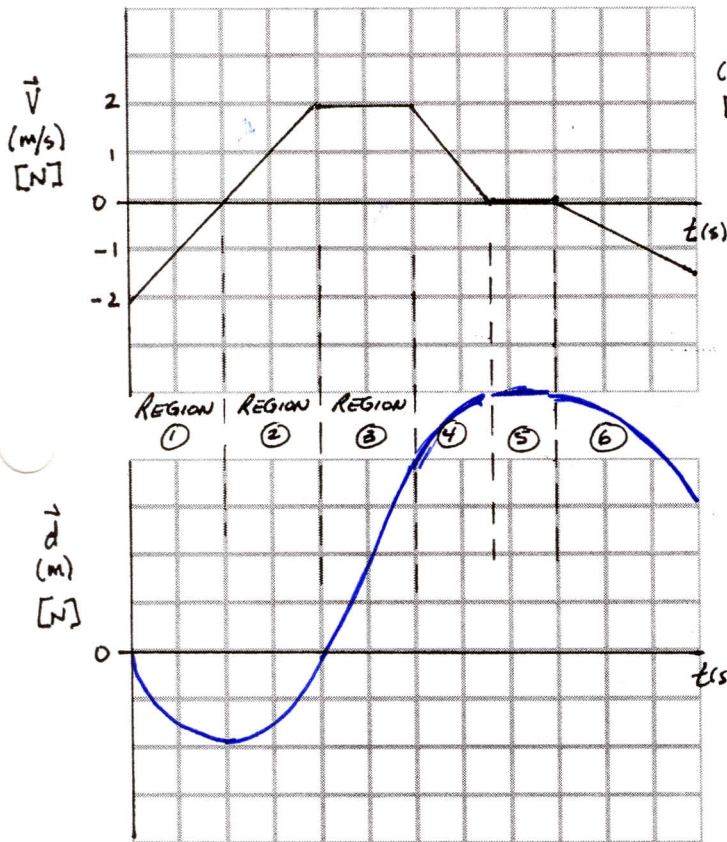


# GRAPHICAL ANALYSIS OF MOTION

- Sketch a representative position-time graph for each of the following motions:
  - Uniform motion forward
  - Uniform motion backward
  - Speeding up forward (uniform acceleration)
  - Slowing up backward (uniform acceleration)
  - Slowing down forward (uniform acceleration)
  - Slowing down backward (uniform acceleration)
- Beside each of the graphs that you sketched in question 1, sketch the representative velocity-time graph for the same motion.
- Sketch the position-time graph that corresponds to the velocity-time graph shown below:
- Construct the ~~corresponding~~ position-time graph that corresponds to the velocity-time graph shown below:



- Sketch the velocity-time graph that corresponds to the position-time graph shown.

